



# The Fifth International Conference on Application of Concurrency to System Design



## 2<sup>nd</sup> Call for Papers

*The electronic submission service is now online*

### Dates and Venue

6-9th of June 2005, Palais du Grand Large, St Malo, France

### Conference Focus

The International Conference on Application of Concurrency to System Design (ACSD) serves as a forum for disseminating theoretical results and advanced methods and tools for the design of complex concurrent systems. While there are already quite a few success stories in the field, there is still a strong need to bring theory and practice closer together. The conference aims at cross-fertilizing both types of research on the following topics:

- Methods for design of synchronous or asynchronous systems based on models of concurrency (data-flow, communicating automata, Petri nets, process algebras, statecharts, MSCs etc.).
- Correct-by-construction design methods and integration of verification techniques with the design process.
- Synchronous / asynchronous design and communication interfaces: Globally Asynchronous Locally Synchronous systems.
- Hardware / software co-design from common specifications.
- Concurrency issues in Systems on Chips (in particular, use of formal methods for communication protocol design and verification).

### Chairs

- Benoît Caillaud (IRISA / INRIA Rennes), general chair
- Jörg Desel (Katholische Universität Eichstätt-Ingolstadt, Germany), program committee co-chair
- Yosinori Watanabe (Cadence, USA), program committee co-chair

### Steering Committee

- A. Yakovlev (U. of Newcastle upon Tyne, UK), Chair
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- Marius Bozga (VERIMAG, France)
- Franck van Breugel (York University, Canada)
- Manfred Broy (Technische Universität München, Germany)
- Paul Caspi (VERIMAG, France)
- Werner Damm (Universität Oldenburg, Germany)
- Heiko Dörr (DaimlerChrysler Research, Germany)
- Stephen Edwards (Columbia University, USA)
- Javier Esparza (Universität Stuttgart, Germany)
- Ursula Goltz (Technische Universität Braunschweig, Germany)
- Radu Grosu (SUNY at Stony Brook, USA)
- Thomas Henzinger (EPFL Lausanne, Switzerland)
- Ryszard Janicki (McMaster University, Canada)
- Kurt Jensen (U. of Aarhus, Denmark)
- Bengt Jonsson (Uppsala University, Sweden)
- Mark Josephs (London South Bank University, England)
- Sri Kanajan (General Motors Research, USA)
- Michael Kishinevsky (INTEL, USA)
- Erwin de Kock (Philips Research, The Netherlands)
- Robert Kurshan (Cadence, USA)



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- Luciano Lavagno (Politecnico de Torino, Italy)
- Johan Lilius (TUCS and Aabo Akademi University, Finland)
- Ricardo Machado (Universidade do Minho, Portugal)
- Mirosław Malek (Humboldt-Universität zu Berlin, Germany)
- John Moondanos (INTEL, USA)
- Laure Petrucci (Université Paris Nord, France)
- Jan Rabaey (University of California at Berkeley, USA)
- Anders Ravn (Aalborg University, Denmark)
- Enric Pastor (Universitat Politècnica de Catalunya, Spain)
- Wojciech Penczek (Polish Academy of Science and University of Podlasie, Poland)
- P.S. Thiagarajan (National University of Singapore)
- Antti Valmari (Tampere University of Technology, Finland)
- Alex Yakovlev (University of Newcastle upon Tyne, England)
- Tomohiro Yoneda (National Institute of Informatics, Japan)
- Qiang Zhu (Fujitsu Labs, Japan)
- Wlodek Zuberek (Memorial University of Newfoundland, Canada)

## Proceedings

Proceedings will likely be published by IEEE Computer Society Press.

## Papers

Submitted papers should be in IEEE CS Press 2-column format (see links below), with no more than 10 pages. The cover page should include the corresponding authors' physical and e-mail addresses, phone, FAX numbers and a 60-word abstract. The deadline for submissions is 10 December 2004. Paper submission will be handled electronically. More information will be available on the conference web-pages.

Accepted papers will appear in the conference proceedings, likely be published by IEEE Computer Society Press.

## Tool Demos

Submissions for tool demonstration should be no more than 2 pages and sent to [Hervé Marchand <Herve.Marchand@irisa.fr>](mailto:Herve.Marchand@irisa.fr) by 4 February 2005.

## Organizing Committee

- Edith Blin (IRISA / INRIA Rennes)
- [Benoît Caillaud](#) (IRISA / INRIA Rennes), general chair
- Myriam David (IRISA / INRIA Rennes)
- [Loïc Hérouët](#), (IRISA / INRIA Rennes), web pages, communication
- Elisabeth Lebret
- [Hervé Marchand](#), (IRISA / INRIA Rennes), tool demos
- [Laure Petrucci](#), (LIPN / Univ. Paris Nord), satellite workshops
- [Sophie Pinchinat](#), (IRISA / Univ. Rennes 1)

## Sponsoring and Cooperation

The event is organized in cooperation with [ACM SIGDA](#) and [SIGSOFT](#). The conference is sponsored by [INRIA](#) and is likely to be sponsored by several other institutions, including [University of Rennes 1](#), [Conseil général d' Ille et Vilaine](#), [Conseil régional de Bretagne](#) and [The Town of St Malo](#).

## Important Dates

- Deadline for paper submission: 10 December 2004
- Deadline for tool demonstration submission: 4 February 2005
- Notification of acceptance: 24 March 2005
- Deadline for final version: 8 April 2005
- Conference: 6-9 June 2005

## Links

- ACSD 2005 web page: <http://acsd2005.irisa.fr/>
- IEEE CS Press 2-column format: <ftp://pubftp.computer.org/Press/Outgoing/proceedings/instruct.pdf>